

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS13-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 08:15	09/25/25 18:52	PB169823

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.25	J	1	0.20	1.46	mg/kg	FG016654.D
Aliphatic C12-C16	Aliphatic C12-C16	0.66	J	1	0.16	0.97	mg/kg	FG016654.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.19	1.46	mg/kg	FG016654.D
Aliphatic C21-C28	Aliphatic C21-C28	1.00	J	1	0.77	1.94	mg/kg	FG016654.D
Aliphatic C28-C40	Aliphatic C28-C40	33.4		1	1.72	2.92	mg/kg	FG016654.D
Aromatic C10-C12	Aromatic C10-C12	0.18	U	1	0.18	0.97	mg/kg	FF016463.D
Aromatic C12-C16	Aromatic C12-C16	2.79		1	0.34	1.46	mg/kg	FF016463.D
Aromatic C16-C21	Aromatic C16-C21	1.46	J	1	0.58	2.43	mg/kg	FF016463.D
Aromatic C21-C36	Aromatic C21-C36	1.74	U	1	1.74	3.89	mg/kg	FF016463.D
Total AliphaticEPH	Total AliphaticEPH	35.6			3.05	8.75	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.25	J		2.83	8.75	mg/kg	
Total EPH	Total EPH	39.9			5.88	17.5	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016463.D	1	09/25/25	09/26/25	PB169823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.18	U	0.18	0.97	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.79		0.34	1.46	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.46	J	0.58	2.43	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.74	U	1.74	3.89	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.5		40 - 140	91%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3176-02	Acq On:	26 Sep 2025 09:11
Client Sample ID:	EME-TS13-01	Operator:	YP\AJ
Data file:	FF016463.D	Misc:	
Instrument:	FID_F	ALS Vial:	91
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.521	6.398	206095	1.438	200	ug/ml
Aromatic C12-C16	6.399	9.102	4165124	28.688	300	ug/ml
Aromatic C16-C21	9.103	13.422	2171100	15.059	500	ug/ml
Aromatic C21-C36	13.423	18.876	1682833	12.862	800	ug/ml
Aromatic EPH	4.521	18.876	8225152	58.048		ug/ml
ortho-Terphenyl (SURR)	11.976	11.976	4557936	29.9		ug/ml
2-Bromonaphthalene (SURR)	8.032	8.032	5697762	45.48		ug/ml
2-Fluorobiphenyl (SURR)	8.909	8.909	3634786	43.1		ug/ml